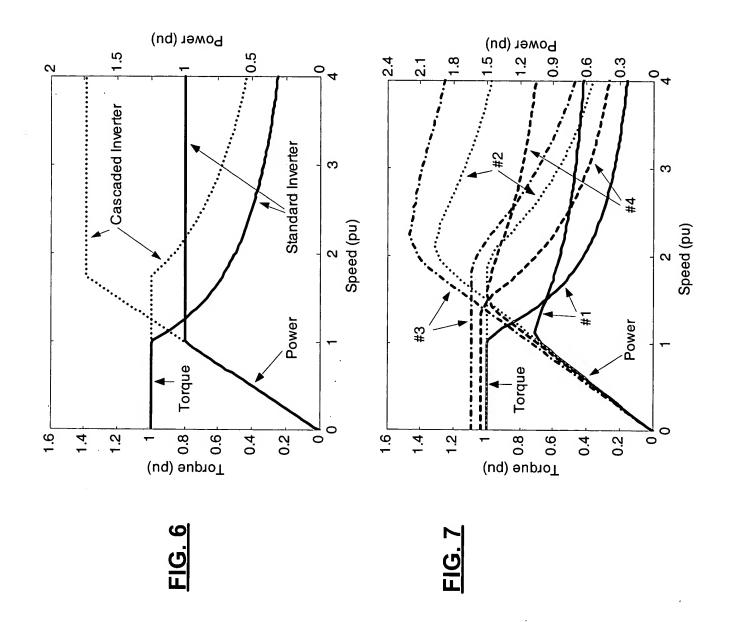


Title: INVERTER FOR ELECTRIC AND HYBRID POWERED VEHICLES AND ASSOCIATED SYSTEM AND METHOD

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FIG. 8

	SYSTEM RATINGS FOR VARIOUS INVERTER CAPACITIES AND IPM MOTOR CONFIGURATIONS	Inv. Switch kVA	(pd)	1.00	1.15	2.00	2.00	1.50
OLA CITY A		. P at 3000 rpm	(kW)	7.0	7.0	21.1 16.1	21.0	11.8
MOTOR CONFIGUR		P at Corner Speed	(kW)	10.1	10.1	21.1	23.1	15.9
		Torque at Corner	(1111)	155	155	155	170	161
MOT CIVA		Turns Rated I Magnet Corner Torque at Ratio (pu) (run) (run) (Nm)	ind:	700	700	1300	1300	940
I ABLE I		Magnet Flux	(hd)	1	1	1	√3	√3 /N
IAE	NIEN CA	Rated I (pu)		1	11√3	1	1 \sqrt{3}	1/N
TIC TAIVE	SYSTEM RATINGS FOR VARIOUS INVE	Turns Ratio	(hd)	1	√3	1	1	N = 4/3
SYSTEM BATINGS EOD VADIO		Configuration		Standard Inv. with Standard Motor. Case #1	Cascaded Inv. with Adj. Turns Ratio Motor. Case #1	Cascaded Inv. with Standard Motor. Case #2	Cascaded Inv. with Maximum Flux Motor. Case #3	Cascaded Inverter with Increased Flux and Adjusted Turns Ratio Motor. Case $N = 4/3$ I/N $\sqrt{3}$ /N #4

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